Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/31/2020 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124947	-1	1.53	125011	1.56
Blue	F	SSC	125000	124342	-1	1.72	125108	1.71
Blue	E	FITC	15892	15430	-3	2.68	336	20.27
Blue	D	PE	29999	29541	-2	1.88	645	14.53
Blue	B	PerCP-Cy5-5	43732	43557	-1	3.67	1164	19.95
Blue	A	PE-Cy7	30845	31072	0	5.89	593	40.21
Red	C	APC	46112	45815	-1	2.46	1618	11.94
Red	A	APC-Cy7	30458	29480	-4	2.37	779	11.94
Violet	B	V450	7918	7664	-4	4.46	431	12.92
Violet	A	V500	32171	31165	-4	4.20	729	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17220	7.56	620	-1	N/A	N/A	Pass
Blue	F	SSC	56644	1.24	562	3	N/A	N/A	Pass
Blue	E	FITC	61	62.06	541	-2	0.0188	66	Pass
Blue	D	PE	135	48.89	547	-1	0.1665	264	Pass
Blue	B	PerCP-Cy5-5	217	48.11	654	-2	0.0095	43	Pass
Blue	A	PE-Cy7	110	98.20	697	-1	0.0112	11	Pass
Red	C	APC	387	25.39	588	4	0.0259	219	Pass
Red	A	APC-Cy7	172	28.43	558	2	0.0056	871	Pass
Violet	B	V450	65	58.41	460	2	0.0532	1960	Pass
Violet	A	V500	108	32.35	476	2	0.0227	560	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/31/2020 10:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.67	-32.42	0.99
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.44
Red	16.81	13.60 - 20.40	N/A	N/A	30.06	30.43	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9570

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments